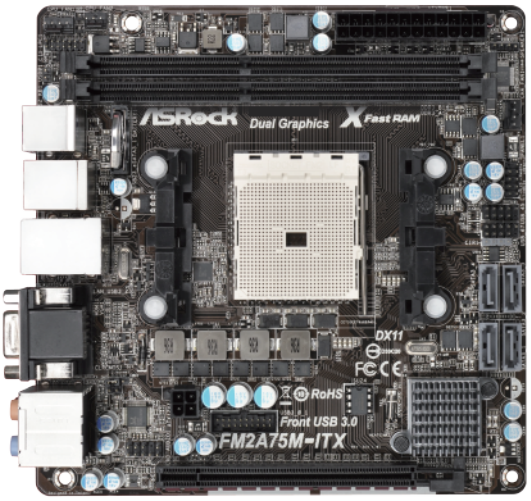
FM2A75M-ITX R2.0

AMD A75 FCH (Hudson-D3)

ASRock
www.asrock.com

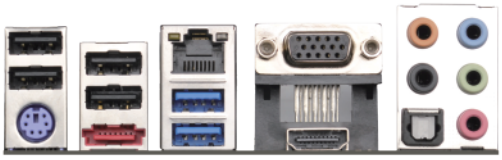


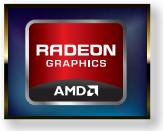
AMD DUAL GRAPHICS TECHNOLOGY

Socket FM2

A10 A8 A6 A4

Windows 8 Ready



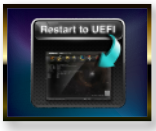


AMD Radeon HD 7000 Series Graphics

DirectX® 11

X-Boost

Fast Boot



Restart to UEFI

Interactive UEFI

Google Chrome Browser & Toolbar

Product Brief

- Support for Socket FM2 100W processors
- Supports Dual Channel DDR3 1866
- Supports Intel XMP 1.3/1.2 and AMD Memory Profile
- Supports AMD Dual Graphics
- Integrated AMD Radeon HD 7000 series graphics in A-series APU
- Dual-VGA Output : D-Sub, HDMI
- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec)
- Supports ASRock X-Boost, XFast 555, Fast Boot, Restart to UEFI, OMG, Dehumidifier, Interactive UEFI, Easy RAID Installer, AMD Steady Video 2.0
- Free Bundle : Google Chrome Browser and Toolbar, CyberLink MediaEspresso 6.5 Trial

Detail Specification

Platform	- Mini-ITX Form Factor - All Solid Capacitor design
CPU	- Support for Socket FM2 100W processors - Supports AMD's Cool 'n' Quiet Technology - UMI-Link GEN2
Chipset	- AMD A75 FCH (Hudson-D3)
Memory	- Dual Channel DDR3 memory technology - 2 x DDR3 DIMM slots - Supports DDR3 1866/1600/1333/1066/800 non-ECC, un-buffered memory - Max. capacity of system memory: 32GB - Supports Intel® Extreme Memory Profile (XMP) 1.3 / 1.2 - Supports AMD Memory Profile (AMP)
Expansion Slot	- 1 x PCI Express 2.0 x16 slot - Supports AMD Dual Graphics
Graphics	- Integrated AMD Radeon HD 7000 series graphics in A-series APU - DirectX 11, Pixel Shader 5.0 - Max. shared memory 2GB - Dual VGA Output: support HDMI and D-Sub ports by independent display controllers - Supports HDMI 1.4a Technology with max. resolution up to 1920x1200 @ 60Hz - Supports D-Sub with max. resolution up to 1920x1600 @ 60Hz - Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI (Compliant HDMI monitor is required) - Supports Blu-ray Stereoscopic 3D with HDMI 1.4a - Supports AMD Steady Video™ 2.0: New video post processing capability for automatic jutter reduction on home/online video - Supports HDCP function with HDMI port - Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with HDMI port
Audio	- 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec) - Premium Blu-ray audio support - Supports THX TruStudio™
LAN	- PCIE x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111E - Supports Wake-On-LAN - Supports LAN Cable Detection - Supports Energy Efficient Ethernet 802.3az - Supports PXE
Rear Panel I/O	I/O Panel - 1 x PS/2 Keyboard Port - 1 x D-Sub Port - 1 x HDMI Port - 1 x Optical SPDIF Out Port - 4 x Ready-to-Use USB 2.0 Ports - 1 x eSATA3 Connector - 2 x Ready-to-Use USB 3.0 Ports - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jack: Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
SATA3	- 4 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1 and RAID 10), NCQ, AHCI and "Hot Plug" functions
USB 3.0	- 2 x Rear USB 3.0 ports, support USB 1.1/2.0/3.0 up to 5Gb/s - 1 x Front USB 3.0 header (supports 2 USB 3.0 ports), supports USB 1.1/2.0/3.0 up to 5Gb/s
Connector	- 4 x SATA3 6.0 Gb/s connectors - 1 x CIR header - 1 x HDMI_SPDIF header - 1 x Chassis Intrusion header - 2 x CPU Fan connectors (1 x 4-pin, 1 x 3-pin) - 1 x Chassis Fan connector (4-pin) - 24 pin ATX power connector - 4 pin 12V power connector - Front panel audio connector - 2 x USB 2.0 headers (support 4 USB 2.0 ports) - 1 x USB 3.0 header (supports 2 USB 3.0 ports)
BIOS Feature	- 64Mb AMI UEFI Legal BIOS with GUI support - Supports "Plug and Play" - ACPI 1.1 Compliance Wake Up Events - Supports jumperfree - SMBIOS 2.3.1 Support - DRAM, VDDP, VDDR, SB Voltage Multi-adjustment
Support CD	- Drivers, Utilities, AntiVirus Software (Trial Version), CyberLink MediaEspresso 6.5 Trial, Google Chrome Browser and Toolbar
Unique Feature	- ASRock Extreme Tuning Utility (AXTU) - ASRock Instant Boot - ASRock Instant Flash - ASRock APP Charger - ASRock XFast USB - ASRock XFast LAN - ASRock XFast RAM - ASRock Crashless BIOS - ASRock OMG (Online Management Guard) - ASRock Internet Flash - ASRock UEFI System Browser - ASRock On/Off Play Technology - ASRock Dehumidifier Function - ASRock Easy RAID Installer - ASRock Interactive UEFI - ASRock Fast Boot - ASRock Restart to UEFI - ASRock X-Boost - Hybrid Booster: - ASRock U-COP
Hardware Monitor	- CPU Temperature Sensing - Chassis Temperature Sensing - CPU Fan Tachometer - Chassis Fan Tachometer - CPU Quiet Fan - CPU/Chassis Fan Multi-Speed Control - CASE OPEN detection - Voltage Monitoring: +12V, +5V, +3.3V, Vcore
OS	- Microsoft® Windows® 8 / 8 64-bit / 7 / 7 64-bit / Vista™ / Vista™ 64-bit / XP / XP 64-bit compliant
Certifications	- FCC, CE, WHQL - ErP/EuP Ready (ErP/EuP ready power supply is required)
Accessories	- Quick Installation Guide, Support CD, I/O Shield - 2 x SATA data cables

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AMD A75 FCH (Hudson-D3)

ASRock
www.asrock.com

X-BOOST

Brilliantly designed for smart overclocking, ASRock X-Boost Technology is able to unleash the hidden power of your CPUs. Simply press “X” when turning on the PC, X-Boost will automatically overclock the relative components to get up to 15.77% performance boost! With the smart X-Boost, overclocking CPU can become a near one-button process.

Windows 8 Support

Fast Boot

With ASRock’s exclusive Fast Boot technology, it takes less than 1.5 seconds* to logon to Windows 8 from a cold boot. No more waiting! The speedy boot will completely change your user experience and behavior.

*The boot time may vary with a different configuration.

Restart to UEFI

ASRock "Restart to UEFI" technology is designed for those requiring frequent UEFI access. It allows users to easily enter the UEFI SETUP automatically when turning on the PC next time.

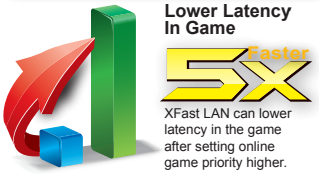
XFast RAM — Fully Optimize Memory Usage

XFast LAN — Faster Internet Access

XFast USB — Boosts up your USB speed

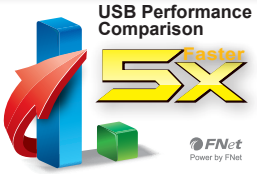
5X Faster for Photoshop Execution

XFast RAM will create a virtual disk from the system memory to boost the performance. For Photoshop, it can even perform 5X faster than before.



Lower Latency In Game

XFast LAN can lower latency in the game after setting online game priority higher.



USB Performance Comparison

- The performance boost percentage may vary with a different configuration.

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AMD A75 FCH (Hudson-D3)

ASRock
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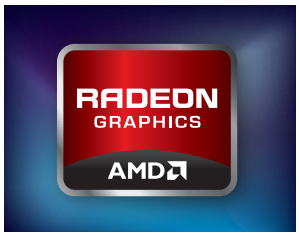
AMP & XMP

Not only supporting AMD Memory Profile (AMP), ASRock FM2 Motherboard Series also come with Intel XMP memory tuning kits, making it's easy to get maximum memory performance from your system.

AMD Radeon HD 7000 Series Graphics

Engineered for supremacy, designed for efficiency and packed with incredible features, the AMD Radeon HD 7000 Series offers the world's most advanced graphics.

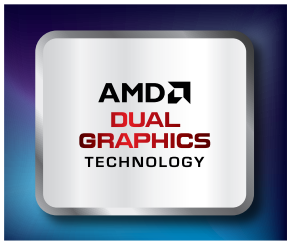


DirectX® 11

DirectX® 11 is the very latest in high-speed, high-fidelity gaming and computing. It can enable not just more visually stunning games, but significant performance improvements in some of your favorite websites and everyday applications.

AMD Dual Graphics

The AMD Dual Graphics technology combines APU and GPU computing power to optimize user's visual experience.



AMD Steady Video 2.0

Bringing the best video experience! Compared to v1.0, AMD Steady Video 2.0 provides more tech advances such as Letter/Pillar Boxed Content, Indicator Overlay, Enhanced Algorithm Effectiveness, etc.

ASRock Dehumidifier

Users may prevent motherboard damages due to dampness by enabling "Dehumidifier Function". When enabling Dehumidifier Function, the computer will power on automatically to dehumidify the system after entering S4/S5 state.

Google Chrome Browser & Toolbar

Chrome is a fast, simple, and secure web browser, built for the modern web. Google Toolbar is designed to help you find what you're looking for quickly and discover new things along the way. Now ASRock has both Chrome and Google Toolbar bundled with our motherboards so users may enjoy better internet surfing experiences.

Interactive UEFI

ASRock Interactive UEFI is a blend of system configuration tools, cool sound effects and stunning visuals. The unprecedented UEFI provides a more attractive interface and brings a lot more amusing.

ASRock OMG (Online Management Guard)

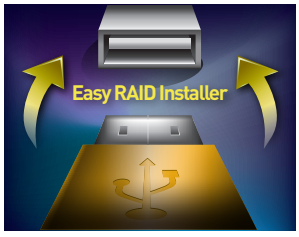
Fast, Easy and Free – ASRock OMG technology allows you to establish an internet curfew or restrict internet access at specified times. Administrators are able to schedule the starting and ending hours of internet access granted to other users.

Internet Flash

Internet Flash searches for available UEFI firmware updates from ASRock servers. System can auto-detect the latest UEFI from our servers and flash them within UEFI setup without entering Windows ® OS.

Easy RAID Installer

Easy RAID Installer can help you install the RAID driver easily without floppy drive. It can copy the RAID driver from a support CD to your USB storage device with just one simple click in UEFI setup.



Cyberlink MediaEspresso 6.5 Trial

CyberLink MediaEspresso 6.5 trial supports hardware transcoding and is optimized to accelerate conversion of all your favorite media files for your favorite portable players.

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